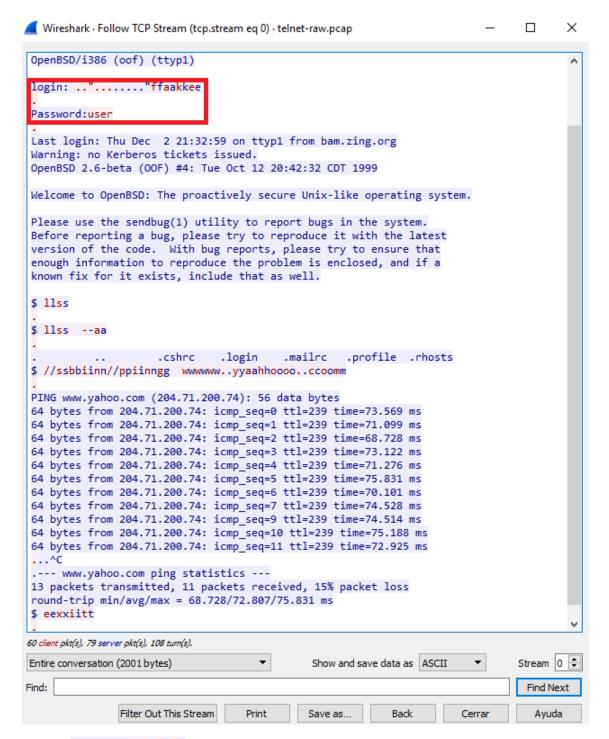
## Análisis del protocolo TELNET

1. ¿Qué usuario y contraseña se ha aplicado para acceder al servidor de Telnet 192.168.0.1?



Usuario: ffaakkee Contraseña:user 2. ¿Qué sistema operativo se está aplicando en el servidor?



3. ¿Qué comandos ha ejecutado el cliente en el servidor telnet?

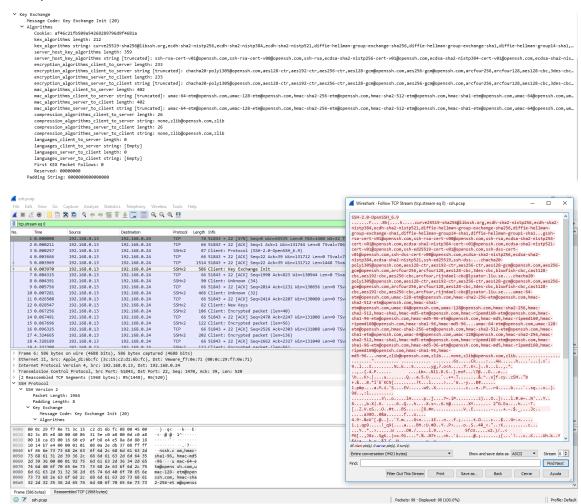
■ Wireshark · Follow TCP Stream (tcp.stream eq 0) · telnet-raw.pcap × OpenBSD/i386 (oof) (ttyp1) login: .."....."ffaakkee Password:user Last login: Thu Dec 2 21:32:59 on ttyp1 from bam.zing.org Warning: no Kerberos tickets issued. OpenBSD 2.6-beta (OOF) #4: Tue Oct 12 20:42:32 CDT 1999 Welcome to OpenBSD: The proactively secure Unix-like operating system. Please use the sendbug(1) utility to report bugs in the system. Before reporting a bug, please try to reproduce it with the latest version of the code. With bug reports, please try to ensure that enough information to reproduce the problem is enclosed, and if a known fix for it exists, include that as well. ፤ llss llss --aa .cshrc .login .mailrc .profile .rhosts //ssbbiinn//ppiinngg wwwwww..yyaahhoooo..ccoomm PING www.yahoo.com (204.71.200.74): 56 data bytes 64 bytes from 204.71.200.74: icmp\_seq=0 ttl=239 time=73.569 ms 64 bytes from 204.71.200.74: icmp\_seq=1 ttl=239 time=71.099 ms 64 bytes from 204.71.200.74: icmp\_seq=2 ttl=239 time=68.728 ms 64 bytes from 204.71.200.74: icmp\_seq=3 ttl=239 time=73.122 ms 64 bytes from 204.71.200.74: icmp\_seq=4 ttl=239 time=71.276 ms 64 bytes from 204.71.200.74: icmp\_seq=5 ttl=239 time=75.831 ms 54 bytes from 204.71.200.74: icmp\_seq=6 ttl=239 time=70.101 ms 64 bytes from 204.71.200.74: icmp\_seq=7 ttl=239 time=74.528 ms 64 bytes from 204.71.200.74: icmp\_seq=9 ttl=239 time=74.514 ms 54 bytes from 204.71.200.74: icmp\_seq=10 ttl=239 time=75.188 ms 64 bytes from 204.71.200.74: icmp\_seq=11 ttl=239 time=72.925 ms .--- www.yahoo.com ping statistics ---13 packets transmitted, 11 packets received, 15% packet loss round-trip min/avg/max = 68.728/72.807/75.831 ms 5 eexxiitt 60 client pkt(s), 79 server pkt(s), 108 turn(s), • Stream 0 Entire conversation (2001 bytes) • Show and save data as ASCII Find: Find Next Filter Out This Stream Print Save as... Back Cerrar Ayuda \$ 1s

\$ ls \$ ls -a \$ /sbin/ping www.yahoo.com \$ exit

## Análisis del protocolo SSH

1.¿A partir de qué paquete comienza a cifrarse el tráfico de red?

A partir del paquete 6 se empiezan a repartir las claves y a partir del 13 ya esta todo encriptado.



- 2. ¿A qué nivel se aplica el cifrado del protocolo SSH? Es decir, ¿se aplica el cifrado a los protocolos de red (IP, TCP, etc.), a las capas superiores, o a ambos?

  Solo a protocolos de red.
- 3. ¿Es posible ver alguna información sobre credenciales de seguridad como puede ser el usuario y la contraseña?

No, esta todo filtrado, aunque podemos ver algunos correos.

```
SSH-2.0-OpenSSH 6.9
......F....Bh(....h....curve25519-sha256@libssh.org,ecdh-sha2-nistp256,ecdh-sha2-
nistp384,ecdh-sha2-nistp521,diffie-hellman-group-exchange-sha256,diffie-hellman-
group-exchange-sha1,diffie-hellman-group14-sha1,diffie-hellman-group1-sha1...gssh-
rsa-cert-v01@openssh.com,ssh-rsa-cert-v00@openssh.com,ssh-rsa,ecdsa-sha2-nistp256-
cert-v01@openssh.com,ecdsa-sha2-nistp384-cert-v01@openssh.com,ecdsa-sha2-nistp521-
cert-v01@openssh.com,ssh-ed25519-cert-v01@openssh.com,ssh-dss-cert-
v01@openssh.com,ssh-dss-cert-v00@openssh.com,ecdsa-sha2-nistp256,ecdsa-sha2-
nistp384,ecdsa-sha2-nistp521,ssh-ed25519,ssh-dss....chacha20-
poly1305@openssh.com,aes128-ctr,aes192-ctr,aes256-ctr,aes128-gcm@openssh.com,aes256-
gcm@openssh.com,arcfour256,arcfour128,aes128-cbc,3des-cbc,blowfish-cbc,cast128-
cbc,aes192-cbc,aes256-cbc,arcfour,rijndael-cbc@lysator.liu.se....chacha20-
poly1305@openssh.com,aes128-ctr,aes192-ctr,aes256-ctr,aes128-gcm@openssh.com,aes256-
gcm@openssh.com,arcfour256,arcfour128,aes128-cbc,3des-cbc,blowfish-cbc,cast128-
cbc,aes192-cbc,aes256-cbc,arcfour,rijndael-cbc@lysator.liu.se....umac-64-
etm@openssh.com,umac-128-etm@openssh.com,hmac-sha2-256-etm@openssh.com,hmac-
sha2-512-etm@openssh.com,hmac-sha1-
etm@openssh.com,umac-64@openssh.com,umac-128@openssh.com,hmac-sha2-256,hmac-
sha2-512,hmac-sha1,hmac-md5-etm@openssh.com,hmac-ripemd160-etm@openssh.com,hmac-
sha1-96-etm@openssh.com,hmac-md5-96-etm@openssh.com,hmac-md5,hmac-ripemd160,hmac-
ripemd160@openssh.com,hmac-sha1-96,hmac-md5-96....umac-64-etm@openssh.com,umac-128-
etm@openssh.com,hmac-sha2-256-etm@openssh.com,hmac-sha2-512-etm@openssh.com,hmac-
shal-etm@openssh.com,umac-64@openssh.com,umac-128@openssh.com,hmac-sha2-256,hmac-
sha2-512,hmac-sha1,hmac-md5-etm@openssh.com,hmac-ripemd160-etm@openssh.com,hmac-
sha1-96-etm@openssh.com,hmac-md5-96-etm@openssh.com,hmac-md5,hmac-ripemd160,hmac-
ripemd160@openssh.com,hmac-sha1-96,hmac-
md5-96....none,zlib@openssh.com,zlib....none,zlib@openssh.com,zlib.....
                                        6-
                                              Cla
                                                    . ALI
```